

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

REC'D 21 FEB 2005

WIPO

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Applicant's or agent's file reference 101244-1 WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/SE 2004/001476	International filing date (day/month/year) 14 October 2004	(Earliest) Priority Date (day/month/year) 17 October 2003
Applicant ASTRAZENECA AB ET AL		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☒ Certain claims were found unsearchable (see Box No. II)3. ☐ Unity of invention is lacking (see Box No. III)

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

Novel tricyclic spiroderivatives as modulators of chemokine receptor activity.

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C07D 307/94, A61K 31/343, A61P 11/06, A61P 11/08, A61P 19/02, A61P 29/00
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C07D, A61K, A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9825605 A1 (MERCK & CO., INC.), 18 June 1998 (18.06.1998) --	1-18
A	WO 9636625 A1 (BYK GULDEN LOMBERG CHEMISCHE FABRIK GMBH), 21 November 1996 (21.11.1996) --	1-18
A	WO 9210096 A1 (T CELL SCIENCES, INC.), 25 June 1992 (25.06.1992) --	1-18
A	WO 9831364 A1 (MERCK & CO., INC.), 23 July 1998 (23.07.1998) --	1-18

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

11 February 2005

Date of mailing of the international search report

11 -02- 2005

Name and mailing address of the ISA/
Swedish Patent Office
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0164213 A1 (SMITHKLINE BEECHAM CORPORATION), 7 Sept 2001 (07.09.2001) --	1-18
A	WO 0014086 A1 (LEUKOSITE, INC.), 16 March 2000 (16.03.2000) --	1-18
P,A	WO 2004005295 A1 (ASTRAZENECA AB), 15 January 2004 (15.01.2004) -- -----	1-18

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.: 17, 18
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 17 and 18 relate to a method of treatment of the human or animal body by surgery or by therapy, as well as diagnostic
.../...
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Box II.1

methods /Rule 39.1(iv). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds.

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International application No.

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WO	9825605	A1	18/06/1998	AU	737107 B	09/08/2001
				AU	4954297 A	29/05/1998
				AU	5803398 A	03/07/1998
				CA	2271146 A	14/05/1998
				EP	0937244 A	25/08/1999
				GB	9703005 D	00/00/0000
				NZ	335885 A	26/01/2001
				US	6387232 B	14/05/2002
				US	5962462 A	05/10/1999

WO	9636625	A1	21/11/1996	AT	231501 T	15/02/2003
				AU	698028 B	22/10/1998
				AU	5895496 A	29/11/1996
				CA	2221357 A	21/11/1996
				DE	59610077 D	00/00/0000
				DK	828728 T	19/05/2003
				EP	0828728 A,B	18/03/1998
				SE	0828728 T3	
				ES	2191754 T	16/09/2003
				JP	11505236 T	18/05/1999
				PT	828728 T	30/06/2003
				SI	828728 T	00/00/0000
				US	5902824 A	11/05/1999

WO	9210096	A1	25/06/1992	AU	663066 B	28/09/1995
				AU	9127491 A	08/07/1992
				CA	2097826 A	07/06/1992
				EP	0561989 A	29/09/1993
				JP	6503829 T	28/04/1994
				KR	187327 B	01/05/1999
				US	5366986 A	22/11/1994
				US	5506247 A	09/04/1996
				US	5656659 A	12/08/1997
				US	5808109 A	15/09/1998

WO	9831364	A1	23/07/1998	AU	6133098 A	07/08/1998
				CA	2278309 A	23/07/1998
				EP	1003743 A	31/05/2000
				GB	9707490 D	00/00/0000
				JP	2001508798 T	03/07/2001
				US	6124319 A	26/09/2000

WO	0164213	A1	07/09/2001	AU	4339401 A	12/09/2001

WO	0014086	A1	16/03/2000	AU	2464999 A	27/03/2000
				CA	2342882 A	16/03/2000
				EP	1109804 A	27/06/2001
				JP	2002524458 T	06/08/2002
				US	6288083 B	11/09/2001
				US	6288084 B	11/09/2001
				US	6503926 B	07/01/2003
				US	20020161005 A	31/10/2002

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WO	2004005295	A1	15/01/2004	AU	2002353713	A	00/00/0000
				CA	2462819	A	30/05/2003
				EP	1451356	A	01/09/2004
				SE	0202133	D	00/00/0000
				US	20050003361	A	06/01/2005
